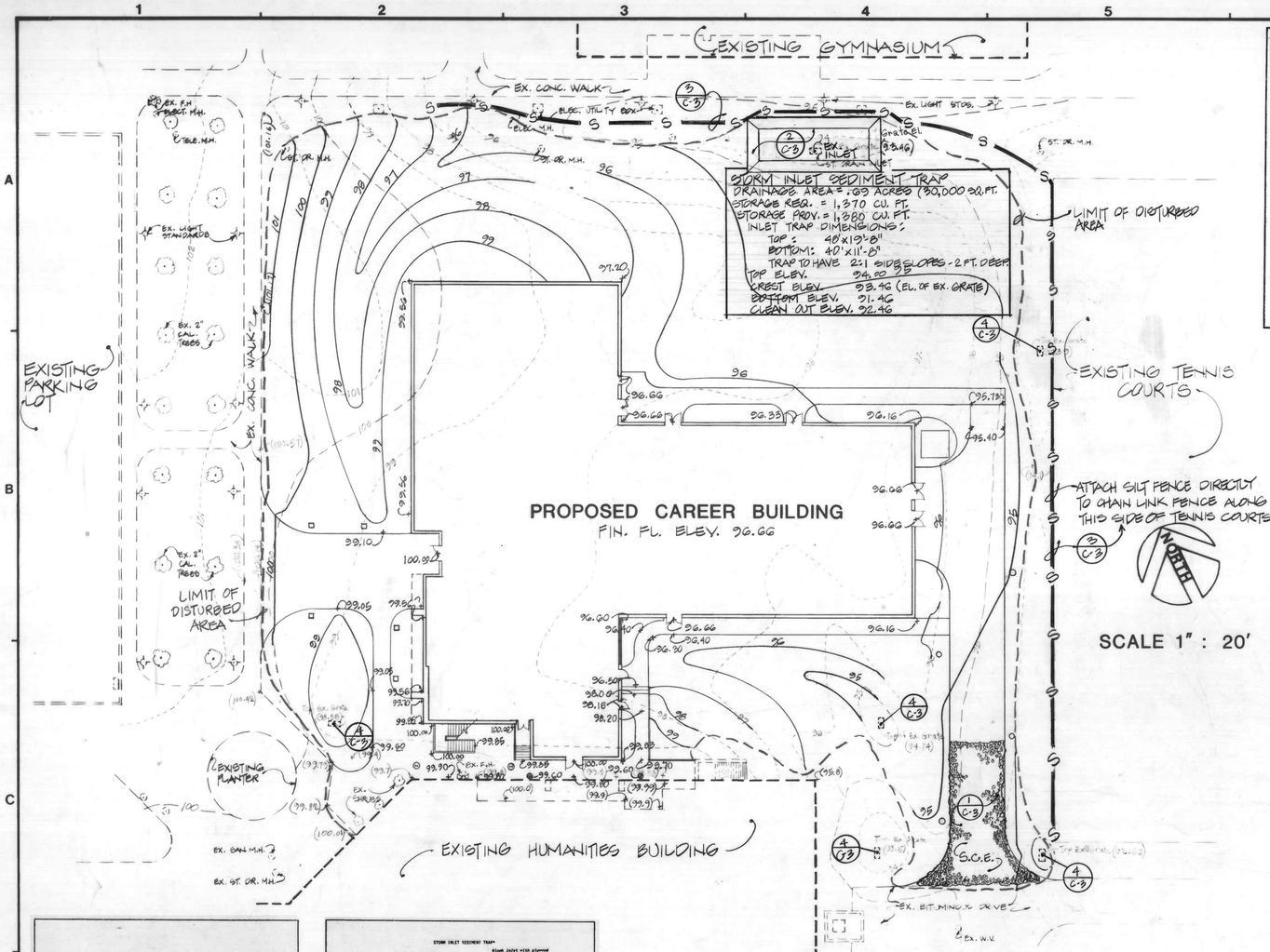
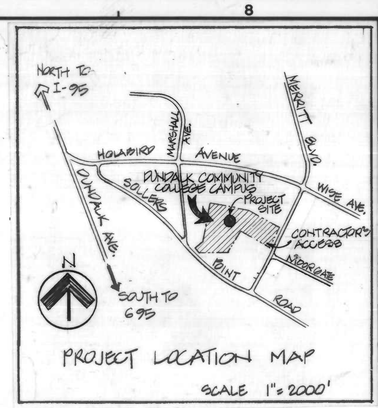


Sequence of Operations

1. Notify Baltimore County Sediment and Erosion Control Inspector at least 48 hours prior to starting any site work.
2. Install stabilized construction entrance and silt fence along the North and East limit of grading as shown. Install filter cloth and sand bags at existing inlets as shown.
3. Excavate for and construct the storm inlet sediment trap.
4. Perform excavation and fill operations throughout the site. Maintain positive drainage to the trap at all times. Excess material to be hauled to an area on the campus which is approved for sediment control.
5. Install all storm drains and utilities.
6. Stabilize all remaining disturbed areas outside of building or paved areas.
7. Complete paving.
8. Flush storm drain system and remove all erosion control devices and stabilize those areas after obtaining permission from Sediment Control Inspector.

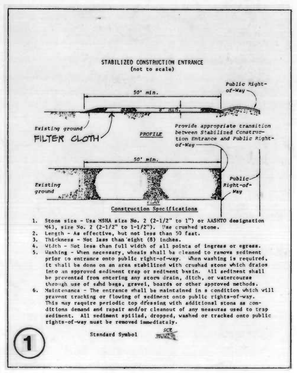


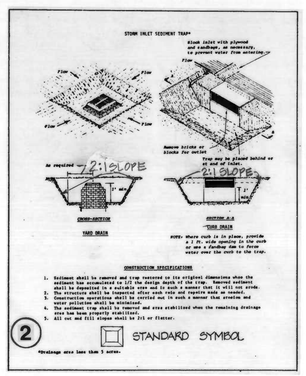
PROJECT LOCATION MAP

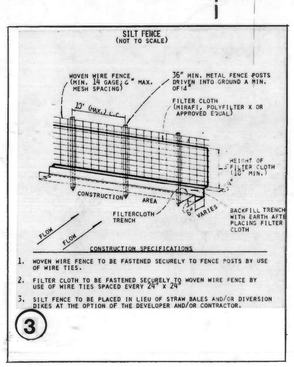
SCALE 1"= 2000'

General Notes

1) Any change to the grading proposed on this plan requires it to be resubmitted to the Soil Conservation District.
2) All slopes 2:1 are to be stabilized with Permanent Slope Seeding immediately after grading operation. (See Note #11 & #12).
3) All other disturbed areas not intended to be paved or receive building coverage, shall be stabilized with Permanent Seeding. (See Note #10).
4) Any damage to diversion dikes, sediment basin, storm inlet sediment trap, silt fence, etc. during grading operation or utility installation shall be repaired immediately.
5) The sediment basin and sediment trap is to be cleaned out when silt deposits reach one-half (1/2) original depth.
6) No sediment control measure is to be removed without prior permission from the sediment control inspector.
7) During the layout of sediment control practices shown hereon, minor adjustments can and will be made to assure the arrest and control of any sediment before it leaves the construction site. These said changes require prior approval from the sediment control inspector and the Soil Conservation District.
8) All site work is to be done in accordance with "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas", July 1975, and this plan of sediment control approved by the Baltimore County Soil Conservation District, and the Baltimore County Department of Public Works.
9) At the end of each working day, all sediment control measures will be inspected and left in operational condition.
10) All disturbed areas shall be stabilized as follows:
PERMANENT SEEDING NOTES (For slopes flatter than 3:1):
Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding.
Soil Amendments: Apply 2 tons per acre dolomitic limestone (92lbs./1,000 s.f.) and 600 lbs. per acre 0-20-20 fertilizer (14 lbs./1,000 sq.ft.). Harrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs. per acre (9.2 lbs./1,000 s.f.) of 38-0-0 ureaform fertilizer and 500 lbs. per acre (11.5 lbs./1,000 s.f.) of 10-20-20 fertilizer.
Seeding: For the period March 1 through April 30, and August 1 through October 15, seed with 60 lbs. per acre (1.4 lbs./1,000 s.f.) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1,000 s.f.) of weeping lovegrass. During the period of October 16 through February 28 protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - use sod. Option (3) - Seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
Mulching: Apply 1-1/2 to 2 tons per acre (70 to 80 lbs./1,000 s.f.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons/1,000 s.f.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gallons/1,000 s.f.) for anchoring.
Maintenance: Inspect all seeded areas and make needed repairs, replacement and reseeding.
11) PERMANENT SLOPE SEEDING (For slopes 2:1 to 3:1): Spreading 4" of topsoil, seed shall be mixture of 30% innoculated Crown Vetch and 70% Kentucky 30 Tall Fescue applied at a rate of 60 lbs. per acre fertilizer and mulching shall be the same as Note #10 above.
12) TEMPORARY SEEDING: (To be used in the event of bad weather interfering with construction).
Seedbed preparation: Loosen upper 3 inches by discing, raking or other acceptable means.
Soil Amendments - Apply 600 lbs. per acre (15 lbs./1,000 s.f.) of 10-20-10 fertilizer.
Seeding - For periods March 1 through April 30, and from August 15 through November 15, seed with 2-1/2 bushels per acre (3.2 lbs./1,000 s.f.) of annual rye. For the period May through August 14 seed with 3 lbs./acre (0.07 lbs./1,000 s.f.) of weeping lovegrass.
Mulching - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs./1,000 s.f.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons/1,000 s.f.) of emulsified asphalt on flat areas.
On slopes 8 feet or higher use 348 gallons per acre (8 gallons/1,000 s.f.) for anchoring.
13) Disturbed earth left idle for more than 30 days shall be stabilized with Temporary Seed and Mulch. (See Note #12).
14) All fill shall be placed in 8" (maximum) lifts and rolled to a minimum degree of compaction of 95% of the dry unit weight as determined by ASTM D-698.





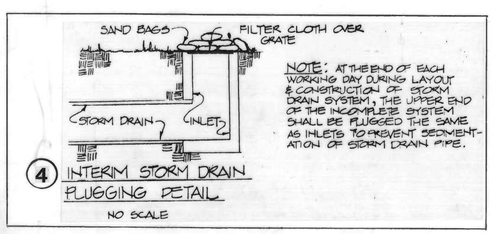


EARTH QUANTITIES

EXCAVATION (CUT)	2,721 Cubic Yds.
EMBANKMENT (FILL)	- 36 Cubic Yds.
EXCESS :	2,685 Cubic Yds.

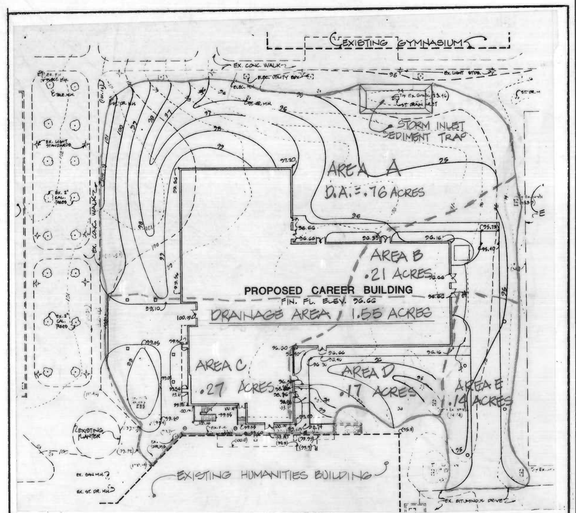
TOTAL DISTURBED AREA: APPROX. 67,500 sq. Ft. (1.55 ACRES)

NOTE: EXCESS SOIL IS TO BE HAULED TO AN AREA APPROVED FOR SEDIMENT & EROSION CONTROL ON THE CAMPUS OF DUNDALK COMMUNITY COLLEGE AS DIRECTED BY THE OWNER. THE CONTACTOR IS RESPONSIBLE FOR STABILIZING THE EXCESS AFTER IT HAS BEEN SPREAD AS DIRECTED BY OWNER.



4 INTERIM STORM DRAIN PLUGGING DETAIL

NO SCALE



DRAINAGE AREA MAP FOR SEDIMENT AND EROSION CONTROL

TOTAL DRAINAGE AREA 1.55 ACRES

Gaudreau, Inc.
Architects Planners Engineers
9 West Mulberry Street
Baltimore, Maryland 21201
301-837-5040

Faisant Associates, Inc.
Structural Engineers

Burdette, Koehler, Murphy & Associates, Inc.
Mech./ Elec. Engineers

ENGINEER'S CERTIFICATION

I hereby certify that this Plan of Development and Plan of Silt and Erosion Control meets the requirements and standards and specifications of the Baltimore County Soil Conservation District.

Reg. No. Date

DEVELOPERS CERTIFICATION

I hereby certify that all Clearing, Grading, Construction and/or Development will be done pursuant to this Plan. I also understand that it is my responsibility to have the Construction supervised and certified, including the submittal of As-Built Plans by a Registered Professional Engineer within 30 days of completion.

By/Title: Date:

RESPONSIBLE PERSONNEL CERTIFICATION

I/We hereby certify that any responsible personnel involved in the construction project will have a certificate of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the Project.

Project Manager Date

No.	Description	Date

Revisions

Career Building

Dundalk Community College

D-012015

Sediment & Erosion Control Plan

Project No.	Drawing No.
8217	C-3
Date 9-27-82	